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Exam : IBM 000-222

Title : P5 and pSeries Administration and Support for AIX 5L V5.3

1. A system has five 80GB disk drives and has a requirement to store 300GB of data. Which disk configuration will provide fault tolerance while still meeting data storage requirements?

- A. Just a Bunch of Disks (JBOD)
- B. RAID-5
- C. RAID-0
- D. RAID-1

Answer: B

2. A system administrator has filesystems that should not be mounted during system startup. How can the system administrator prevent the /data filesystem from being mounted during subsequent boots?

- A. mount -no /data
- B. chfs -A no /data
- C. mount -n /data
- D. chfs -a type=nfs /data

Answer: B

3. A system administrator needs to quickly migrate a machine from AIX 5.2 to AIX 5.3. The administrator will only be allowed enough downtime to reboot the machine. Which installation method would accomplish this task?

- A. Perform a migration installation during the reboot process.
- B. Perform an alternate disk installation and migration using NIM.
- C. Copy the /usr directory from another 5.2 server to this server.
- D. Perform an update_all install from 5.2 media to take effect on reboot.

Answer: B

4. An AIX system has four LPARS configured with similar environments and applications. What happens to the other LPARS when

one of the LPARS runs out of memory and that LPAR starts paging heavily due to a poor paging configuration?

- A. The other three LPARS will experience the same problem because they all share a common memory pool.
- B. The hypervisor will shutdown the offending LPAR and dynamically reallocate the memory to the other LPARS.
- C. The other LPARS will be unaffected by the offending LPAR due to LPAR isolation.
- D. There will be a moderate slowdown on the remaining LPARS due to hypervisor overload during the time the offending LPAR is having paging problems.

Answer: C

5. Which disk configuration provides the fastest write performance with fault tolerance?

- A. RAID-0
- B. RAID-3
- C. RAID-5
- D. RAID 1+0

Answer: D

6. A system administrator has a server that is performing poorly. The vmstat command identifies that high CPU usage

is

the problem. Which of the following commands can be used to identify the eight most active processes running on the server?

- A. `ps -ef -t8`
- B. `sar -u -p 8`
- C. `vmstat -t 8`
- D. `topas -p8 -n0 -d0`

Answer: D

7. Which of the following commands can be used to get the system ready to physically insert a PCI hot plug adapter?

- A. `mkdev`
- B. `cfmgr`
- C. `drslot`
- D. `lsslot`

Answer: C

8. An administrator is logged into a remote server using an Xwindows client and wants to use `smit`. The bandwidth for the remote connection is minimal, so the administrator would like to disable the graphical version of `smit` to speed up display updates. Which of the following commands will start `smit` in the non-graphical mode?

- A. `smit`
- B. `msmit`
- C. `smit -C`
- D. `smit_tty`

Answer: C

9. A system has a critical need for network services on a small network with a limited number of hosts. System overhead is not a concern. Which of the following options would the system administrator perform to help ensure connectivity in the event of a gateway failure?

- A. Use the `ifconfig` command to enable dead gate detection.
- B. Use the `chdev` command to set active dead gateway detection.
- C. Use the `route` command to set active dead gateway detection.
- D. Add the line `active_dgd=1` to the `/etc/gated.conf` command and refresh the `gated` daemon.

Answer: C

10. company uses raw logical volumes. Which of the following commands can be used to back up the data in the raw logical volumes to a tape?

- A. `dd`
- B. `tar`
- C. `cpio`
- D. `pax`

Answer: A

11. system administrator is considering enabling the 64-bit kernel but first must determine if the system hardware will support 64-bit. How would the system administrator accomplish this in AIX 5L?

- A. `prtconf -c`
- B. `lscfg -v sys0`
- C. Check the `/unix` link
- D. Check for JFS2 filesystems

Answer: A

12. Prior to implementing an LPAR system, which of the following options needs to be performed?

- A. All PCI slots must be made active.

- B. Cluster System Management (CSM) software must be installed.
- C. The LPAR system must have a Hardware Management Console (HMC) connected.
- D. Each LPAR must be configured with a CDROM for operating system installation.

Answer: C

13. An AIX LPAR capable server has AIX versions 5.1 and 5.2 installed. Which of the following options reflects available features?

- A. Dynamic allocation of a CPU is available in versions 5.1 and later of AIX.
- B. Memory and CPU dynamic allocation is available in versions 5.2 and later of AIX.
- C. AIX version 5.1 and later support DLPAR features and hot swapping of PCI slots.
- D. Only Memory and CPUs can be dynamically allocated and require version 5.2 or later of AIX.

Answer: B

14. A system administrator was asked to log information on possible security breaches on a server. To which file should additional entries be added to capture this information?

- A. /var/adm/sulog
- B. /etc/syslog.conf
- C. /etc/security/sysck.cfg
- D. /etc/security/login.cfg

Answer: B

15. How should a system administrator turn on Dynamic Processor Deallocation?

- A. Use the diag menu to set dynamic deallocation to 'on'.
- B. Use the chdev command to enable the 'cpuguard' attribute of sys0.
- C. Use the cfgmgr command to change the 'monitor' attribute of proc0.
- D. Use the smitty command with the fast path dynamic_processor_deallocation to turn it on.

Answer: B

16. Total memory available to all LPARS is 128 GB with 64 GB unallocated. Which of the following options assigns memory (8 GB) from LPAR1 to LPAR2 in a DLPAR environment?

- A. Select LPAR1 and move the 8 GB into LPAR2. Reboot required on LPAR1.
- B. Select memory from unallocated available memory. Reboot required on LPAR2.
- C. Select LPAR1 and move the 8 GB into LPAR2. Reboot not required.
- D. Select LPAR1 and move the 8 GB into LPAR1. Reboot required on both LPARS.

Answer: C

17. Which of the following attributes of a logical volume can NOT be changed after it is created?

- A. The placement of the logical volume
- B. The stripe size of the logical volume
- C. The upper bound of the logical volume
- D. The intra-policy of the logical volume

Answer: B

18. Sometimes performance is more important than availability (e.g., in cases where the data can be easily re-created). Which of the following is the appropriate disk configuration for an application that requires faster writes over availability?

- A. RAID-1
- B. RAID-5
- C. RAID-0 + 1
- D. RAID-0

Answer: D

19. system administrator has been asked to migrate the dev_vg volume group from server A to server B. The dev_vg

volume group contains a single filesystem named "/development". To prepare for migration, which of the following is the correct sequence of commands for removing the volume group from server A?

- A. exportvg dev_vg; umount /development; varyoffvg dev_vg
- B. varyoffvg dev_vg; umount /development; exportvg dev_vg
- C. umount /development; exportvg dev_vg; varyoffvg dev_vg
- D. umount /development; varyoffvg dev_vg; exportvg dev_vg

Answer: D

20. Because of performance problems, space needs to be added to a paging space named paging01 on hdisk1. The physical partition size of hdisk1 is 4MB. Which command will increase the size of paging01 by 100MB?

- A. swapon -a paging01 25
- B. mkps -a 25 paging01
- C. extendlv -a paging01 25
- D. chps -s 25 paging01

Answer: D

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